

Attorney Docket No.: DEX-0269
Inventors: Salceda et al.
Serial No.: 10/001,887
Filing Date: November 20, 2001
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This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1: (currently amended) An isolated nucleic acid molecule comprising

(a) a nucleic acid molecule comprising a nucleic acid sequence that encodes an amino acid sequence of SEQ ID NO:82 ~~through 137~~ 127;

(b) a nucleic acid molecule comprising a nucleic acid sequence of SEQ ID NO: ~~1 through 81~~ 63 or 64;

(c) a nucleic acid molecule ~~that selectively hybridizes~~ having at least 90% sequence identity to the nucleic acid molecule of (a) or (b) and hybridizing under stringent conditions to the nucleic acid molecule of (a) or (b); or

(d) a nucleic acid molecule having at least 60% sequence identity over its entire length to the nucleic acid molecule of (a) or (b);

(e) a nucleic acid molecule which is an allelic variant of a nucleic acid of SEQ ID NO:63 or 64 encoding an amino acid sequence of SEQ ID NO:127; or

(f) a nucleic acid molecule that encodes an amino acid sequence having at least 90% sequence identity to SEQ ID NO:127;

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wherein said nucleic acid molecule is detectably expressed
in breast tumor tissues.

Claim 2: (original) The nucleic acid molecule according to claim 1, wherein the nucleic acid molecule is a cDNA.

Claim 3: (canceled)

Claim 4: (original) The nucleic acid molecule according to claim 1, wherein the nucleic acid molecule is a mammalian nucleic acid molecule.

Claim 5: (original) The nucleic acid molecule according to claim 4, wherein the nucleic acid molecule is a human nucleic acid molecule.

Claim 6: (canceled)

Claim 7: (original) A vector comprising the nucleic acid molecule of claim 1.

Claim 8: (original) A host cell comprising the vector according

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to claim 7.

Claim 9: (original) A method for producing a polypeptide encoded by the nucleic acid molecule according to claim 1, comprising the steps of (a) providing a host cell comprising the nucleic acid molecule operably linked to one or more expression control sequences, and (b) incubating the host cell under conditions in which the polypeptide is produced.

Claim 10-14 (canceled)

Claim 15: (currently amended) A kit for detecting a risk of cancer or presence of cancer in a patient, said kit comprising a means for determining the presence the nucleic acid molecule of claim 1 ~~or a polypeptide of claim 6~~ in a sample of a patient.

Claims 16-17: (canceled)

Claim 18: (new) The nucleic acid molecule of claim 1 comprising a nucleic acid molecule having at least 90% sequence identity to the nucleic acid molecule of (a) or (b) and hybridizing under stringent conditions to the nucleic acid molecule of (a) or (b).

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Claim 19: (new) The nucleic acid molecule of claim 1 comprising a nucleic acid molecule that encodes an amino acid sequence having at least 90% sequence identity to SEQ ID NO:127.

Claim 20: (new) The nucleic acid molecule of claim 1 comprising a nucleic acid molecule that encodes an amino acid sequence comprising amino acids residues 230 through 1088 of SEQ ID NO:127.